

Claims

We Claim:

Claim 1

A mobile communication system, for calling one or more mobile stations located within a designated communication area, comprising:

location storage means for storing the locations of said mobile stations;

designation accepting means for accepting the designation of said communication area;

mobile station selection means for selecting said mobile stations to be called based on said accepted communication area and the stored locations of said mobile stations; and

calling means, for calling said selected mobile stations to be called.

Claim 2

The mobile communication system according to claim 1, wherein calls are placed in a designated time zone to one or more mobile stations located within a designated communication area.

Claim 3

The mobile communication system according to claim 2 wherein, at the least, said designation accepting means accepts the designation of said time zone; and

wherein said mobile station selection means selects said mobile stations to be called, based on said accepted communication area and said time zone and the stored locations of said mobile stations.

Claim 4

The mobile communication system according to claim 1, further comprising:

a base station for connection by radio to said mobile stations; and

a calling device, which includes said location storage means, said designation accepting means, said mobile station selection means and calling means, for calling said mobile stations via said base station.

Claim 5

The mobile communication system according to claim 4 wherein each of said mobile stations includes:

location detection means for detecting the location of a mobile station; and

location notification means for notifying said calling device of the detected location of said mobile station.

Claim 6

A mobile communication system for providing information concerning one or more mobile stations located within a designated communication area, each of said mobile stations comprising:

designation accepting means, for at least accepting the designation of said communication area;

information transmission means, for transmitting to another mobile station information including the designation of said accepted communication area;

information receiving means, for receiving said transmitted information;

location detection means, for detecting the location of a mobile station; and

information provision means, for providing information when the detected location of said mobile station is within said communication area included in said received information.

Claim 7

A mobile communication method, for calling one or more mobile stations located within a designated communication area, said method comprising the steps of:

storing the locations of said mobile stations;

accepting the designation of said communication area;

selecting mobile stations to be called based on said accepted communication area and the stored locations of said mobile stations; and

calling said selected mobile stations to be called.

Claim 8

A mobile communication method for providing information concerning one or more mobile stations located within a designated communication area, the method of operation for each of said mobile stations comprising the steps of:

accepting the designation of said communication area;
transmitting to another mobile station information including the designation of said accepted communication area;

receiving said transmitted information from another;
detecting the location of a particular mobile station;
and

providing information when the detected location of said mobile particular station is within said communication area included in said received information.

Claim 9

A recording medium for each mobile station of a mobile communication system that comprises a base station to be connected by radio to said mobile stations, and a calling device that includes location storage means, designation accepting means, mobile station selection means and calling means for calling said mobile stations via said base station, said recording medium storing a program to permit a computer to execute the steps of:

detecting the location of a mobile station; and
notifying said calling device of the detected location of said mobile station.

Claim 10

A computer program product on a recording medium for each mobile stations of a mobile communication system for providing information concerning one or more mobile stations located within a designated communication area, said recording medium including:

software for accepting the designation of said communication area;

software for transmitting to another mobile station information including the designation of said accepted communication area;

software for receiving said transmitted information; detecting the location of a mobile station; and providing information when the detected location of said mobile station is within said communication area included in said received information.